# VENKANNA RUPANI

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## CAREER OBJECTIVE

**Enthusiastic, result-oriented and Customer-focused professional with 14 years of experience in Corporate Training** aspiring for challenging role **in Data Analytics, Business Intelligence, Data Science, Machine Learning, Natural Language Processing (NLP), Project Management & Quality Management Systems (QMS)** where I can share my skills & expand my capabilities w.r.t. **Training, Teaching, Coaching, Problem-Solving and Consulting.**

## SUMMARY

* **Experienced in designing training courses, curating contents and delivering trainings** to suit Customer requirements.
* **Skilled at using MS Power BI**, **Tableau, Advanced Excel** for **Data Visualization, Data Storytelling & Business Intelligence**.
* **Proficient Corporate Trainer, customizing the training curriculum to suit corporate business requirements.**
* Served as **Guest Faculty for Machine Learning and Natural Language Processing (NLP)** at an Engineering College in 2024.
* Rich experience in **creating training contents, delivering trainings through online and offline modes**.
* Skilled in **delivering engaging, interactive and high impact training** to the learners.
* **Capable of balancing the needs of all kinds of learners** (slow learners and fast learners).
* **Quick learner, adaptable** and **detail-oriented** professional with over **19 years** of proven experience in **Manufacturing, Power, Oil & Gas & IT industries** in **Training, Data Analysis,** Customer Quality, Supplier Quality, Quality Assurance (QA), Quality Management Systems (**QMS**) **& Failure Analysis along with leading teams**.
* Highly **proficient** at **interfacing with Clients**, being **trustworthy** & **single point contact** for all technical proceedings.
* **Excellent communicator at all levels** with strong **problem solving** and **analytical** skills.

## KEY SKILLS

* **MS Power BI**
* **Tableau**
* **Qlik Sense**
* **MS Excel – Advanced**
* **SQL, MySQL, Oracle, Postgre SQL**
* **Python**
* **Data Science**
* **Machine Learning (ML)**
* **R Programming**
* **Natural Language Processing (NLP)**
* **Data Visualization**
* **Project Management**
* **Google Looker Studio**
* **Dashboards** Creation
* **Big Data Analytics**
* **Online / Virtual / Hybrid Training**
* **Problem-Solving**
* **Business & Data Analytics**
* **Design & Deliver Training Courses**
* **Attention to detail**
* **Quality Management System(QMS)**
* **Auditing & Documentation Review**
* **Root Cause Analysis (RCA)**
* English, Hindi, Telugu & Tamil

## SELECTED ACHIEVEMENTS

* **Trained over 3,300 learners** **across globe** in **Data Science** on **Tableau, MS Power BI, MS Excel-Advanced, SQL & Python**.
* **Delivered about 1,800 hours of data science training** in **88 cohorts / batches during 2020-2024 batch size > 100 learners**.
* **Successfully** delivered **Corporate Training** on **MS Power BI & Advanced Excel** to **5** **Clients, across the world.**
* **Trained over 520 personnel in 27 batches** during **2010-2019** on **Data Analysis** of Customer Complaints, QA, **QMS, Problem Solving using Root Cause Analysis (RCA), Codes for Manufacturing** Power Plants.
* Designed and Developed **Dashboard in SAP for KPI calculations** for Quality Assurance function in 2019.
* **Lead Team of size 35** in effectively monitoring of the alerts in Command Center.
* **Achieved significant procurement cost reduction of 43% ($2.5 million) during 2015-2019**.
* **Proactively spearheaded revamping of QMS for Oil & Gas business** leading to successful **API certifications in** 2017.
* Won “**Republic Day Silver Medal” in 2016** for data capturing project of “Design & Development of NCR System in SAP”.
* Earned “**Republic Day Gold Medal” in 2011** for digital transformation through “Online Printing of Job Cards from SAP”.

## EDUCATION

* **Master Program - Data Scientist**, Simplilearn, India, February 2021.
* **PG Certificate Programme in Welding & Quality Engineering**, PSG College of Technology & BHEL WRI – India, June 2014.
* **Bachelor of Engineering (B.E.) in Mechanical Engineering**, Osmania University – India, Hyderabad, June 2005.

## PROFESSIONAL CERTIFICATIONS

* **Natural Language Processing (NLP),** Simplilearn, April 2021.
* **Data Visualization using Power BI,** Great Learning, February 2021.
* **Big Data Hadoop & Spark Developer,** Simplilearn, January 2021.
* **Machine Learning Advanced Certification**, Simplilearn, November 2020.
* **Tableau Desktop 10**, Simplilearn, September 2020.
* **Data Science with R**, Simplilearn, July 2020; **Data Science with Python**, Simplilearn, August 2020.
* **Project Management Professional (PMP®)**, Project Management Institute (PMI®), USA, March 2019.

## DATA SCIENCE PROJECTS

* **Tableau:**
* **“Sales Performance Analytics”** of a Retail Store has been completed with **Bullet Charts to compare actual Sales with the target sales for each “Category” and “Segment” across calendar months.**
* **"Comparative Studies of Countries"**: **Dashboard** on various parameters of different countries using the sample insurance dataset & world development indicators data set.
* **R Programming:**
* Completed **“Web Data Analytics”** using data a website about the user experience with the website. **ANOVA (aov), correlation (cor) and generalized linear model (glm)** functions were used to find out correlation among variables.
* **Completed “Insurance Factors Identification”** from the data on third party motor insurance claims. **Splitting data, feature scaling, aggregate, order, multiple linear regression (lm), ggplot (line)** along with summary were used.
* **Python:**
* **“Customer Service Requests Analysis”** in a Metro City. Data wrangling, grouping and One-Way Anova were used along with visualizations in plots.
* **Machine Learning (ML):**
* Project of **“Mercedes-Benz Greener Manufacturing”** has been carried out **to predict test\_df values using XGBoost** by performing **dimensionality reduction through PCA & applying Label Encoder.**
* **Big Data Hadoop & Spark:**
* Project of **“Market Analysis in Banking Domain”** which involved creating spark dataframe, finding out summary of the data, checking effect of variables on the predictor variable and feature engineering.

* **Capstone Project Using Python and Tableau:**
* **“Perform customer segmentation using Recency, Frequency and Monetary (RFM) analysis”:** It involved **data cleansing, Cohort Analysis, Building RFM model**, Calculate RFM metrics, Build RFM Segments, **creating clusters using k-means clustering** and finally created **visualizations in a dashboard using Tableau**.
* **Natural Language Processing (NLP):**
* Completed project on **“Topic Analysis of Product Review Data” which included POS tagging, Topic Modelling using LDA, and Topic Interpretation.**
* **End to End project on predicting used car prices and deployed on Heroku.**

## DATA SCIENCE PORTFOLIOS

* **Tableau Public :** <https://public.tableau.com/profile/venkanna.rupani>
* **Analytics Vidhya Jobathon (May 2021):** Credit Card Lead Predictor (using Light GBM Classifier); **Private LB Rank: 409**.

## PROFESSIONAL EXPERIENCE

### M/s Watsonite Systems (@M/s Walmart Global Tech Services India), July 2022 to November 2022 – Project Manager / SAP

* **Lead a team of 35 associates in SAP Project Management Command Center** for monitoring of alerts.
* **Collaborated with L3 teams** for various modules to **implement value-adding solutions.**
* **Managed team members, shift rotation and team availability** to ensure adequate coverage for all markets across globe.

### M/s BHEL, India, March 2008 to July 2022 – Deputy Manager

* **Analyzed data on Penalty** in logistics data (Transport Vehicles planning, placement & dispatch of materials to projects) using **MS Excel** involving data wrangling, analysis, grouping and summarizing and presented **to solve business problems**.
* **Lead Administration Group of Logistics** to plan, organize and ensure seamless Logistics Operations.
* Handled **Customer Quality, Supplier Quality,** Quality Assurance Plans (QAP), Painting and Continuous Improvements.
* **Earned trust of key Customer** and has been **single point of contact** for all aspects of Quality and troubleshooting.
* **Interfaced closely with Customers & Suppliers and obtained approval of 325 ITPs / MQPs / PQPs for 15 projects**.
* Highly experienced in **leading failure analysis** **effectively** vide **31 RCA meetings** by heading Cross functional teams (CFT).
* **Successfully led QA Team**, **coached two (2) team members** & developed technical capabilities within the team.
* **Effectively headed teams of Lead Auditors of sizes up to 11** in carrying out QMS Internal Audits as per ISO 9001 – 2015.
* **Ensured global procurement of materials** by preparing **52 Technical Specifications** meeting contracts requirements.

### M/s Infosys Technologies Ltd, Hyderabad, India: November 2005 to February 2008 - Software Engineer

* **Won “Spot Award” for Best Programmer** **in Oracle (PL/SQL, SQL**, e-Business Suite, Oracle Forms & Reports).
* Developed and tested software in **SQL & Oracle** platform for 3 major projects.